

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	17280	345/87-104,204-214.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S2	716	(PWM ("pulse width" adj modulat\$3)) same ((common near5 voltage) vcom)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S3	46110	(PWM "pulse width modulation")	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S4	12676	(PWM ("pulse width" adj modulat\$3)) and (voltage near5 regulat\$3)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S5	46110	(PWM "pulse width modulation")	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S6	1	10/700096	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S7	241161	(LCD "liquid crystal display")	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S8	45	FRC\$1EN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/03 12:07
S9	55288	(PWM ("pulse width" adj modulat\$3))	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S10	4147	345/89,94-95,208-209,690-691.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S11	543	S9 and S10	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S12	21549	(PWM "pulse width modulation") near5 signal	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S13	55841	common near5 voltage	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S14	80	S12 with S13	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S15	4147	345/89,94-95,208-209,690-691.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S16	28	S15 and S4	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S17	12676	(PWM ("pulse width" adj modulat\$3)) and (voltage near5 regulat\$3)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S18	4147	345/89,94-95,208-209,690-691.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07

## EAST Search History

S19	303	(PWM ("pulse width" adj modulat\$3)) with ((common near5 voltage) vcom)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S20	4147	345/89,94-95,208-209,690-691.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S21	46110	(PWM "pulse width modulation")	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S22	21549	(PWM "pulse width modulation") near5 signal	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S23	4147	345/89,94-95,208-209,690-691.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S24	17631	PWM near5 signal	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S25	184	S24 same S13	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S26	241161	(LCD "liquid crystal display")	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S27	27	S25 and S26	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S28	4306	(PWM ("pulse width" adj modulat\$3)) and ((common near5 voltage) vcom)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S29	100	S15 and S28	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S30	11	TDDI	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S31	0	FRC\$1EN	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S32	17631	PWM near5 signal	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S33	55841	common near5 voltage	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S34	184	S32 same S33	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S35	4147	345/89,94-95,208-209,690-691.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S36	17280	345/87-104,204-214.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S37	4147	345/89,94-95,208-209,690-691.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S38	716	(PWM ("pulse width" adj modulat\$3)) same ((common near5 voltage) vcom)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S39	49	S38 and (S36 S37)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07

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S40	17280	345/87-104,204-214.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S41	241161	(LCD "liquid crystal display")	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S42	17280	345/87-104,204-214.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S43	4147	345/89,94-95,208-209,690-691.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S44	55288	(PWM ("pulse width" adj modulat\$3))	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S45	543	S44 and S43	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S46	4306	(PWM ("pulse width" adj modulat\$3)) and ((common near5 voltage) vcom)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S47	241161	(LCD "liquid crystal display")	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S48	78123	(adjust\$3 chang\$3 alter\$3) with (control adj signal)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S49	7006	S48 and S47	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S50	241161	(LCD "liquid crystal display")	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S51	66	S24 with S13	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S52	241161	(LCD "liquid crystal display")	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S53	21549	(PWM "pulse width modulation") near5 signal	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S54	46110	(PWM "pulse width modulation")	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S55	78123	(adjust\$3 chang\$3 alter\$3) with (control adj signal)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S56	7006	S55 and S7	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S57	0	FRC\$1EN	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S58	21549	(PWM "pulse width modulation") near5 signal	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S59	16	S51 and S26	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S60	11	TDDI	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07

## EAST Search History

S61	502	S18 and S5	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S62	41	S11 not S61	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S63	28	S23 and S17	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S64	49	S2 and (S42 S35)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S65	303	(PWM ("pulse width" adj modulat\$3)) with ((common near5 voltage) vcom)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S66	16	S65 and (S36 S37)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S67	66	S32 with S33	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S68	45	FRC\$1EN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/03 12:07
S69	27	S34 and S52	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S70	80	S53 with S33	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S71	5	"6937224"	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S72	3	((("6215466") or ("20020180718") or ("20020093498")).PN.	US-PGPUB; USPAT	OR	OFF	2007/12/03 12:07
S73	66	S32 with S33	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S74	16	S73 and S52	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S75	502	S20 and S21	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S76	41	S45 not S75	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S77	16	S19 and (S42 S35)	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S78	205	S12 same S13	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S79	205	S53 same S33	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S80	259	345/104.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07

## EAST Search History

S81	216	S15 and S22	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S82	184	S32 same S33	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S83	502	S15 and S3	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S84	286	S83 not S81	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S85	259	345/104.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S86	216	S23 and S58	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S87	502	S23 and S54	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S88	286	S87 not S86	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S89	585	345/212.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S90	585	345/212.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S91	2874	LVDS	US-PGPUB; USPAT	OR	OFF	2007/12/03 12:07
S92	882	S41 and S91	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S93	2874	LVDS	US-PGPUB; USPAT	OR	OFF	2007/12/03 12:07
S94	882	S50 and S93	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S95	1338	S1 and S49	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S96	1324	345/211.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S97	1338	S40 and S56	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S98	1324	345/211.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S99	0	03-209869	JPO; DERWENT	OR	ON	2007/12/03 12:07
S10 0	2	"03209869"	JPO; DERWENT	OR	ON	2007/12/03 12:07
S10 1	1	"6778159"	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S10 2	119	(PWM "pulse width modulation") near5 S13	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07

## EAST Search History

S10 3	21	S102 and S47	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S10 4	80	S22 with S13	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S10 5	46	S47 and S65	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S10 6	16	S47 and S73	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07
S10 7	0	3-209869	JPO	OR	ON	2007/12/03 12:07
S10 8	0	3-209869	JPO; DERWENT	OR	ON	2007/12/03 12:07
S10 9	9	("4130777"   "4427978"   "4775891"   "5010327"   "5010328"   "5053764"   "5091722"   "5488387"   "6215466").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/03 12:07
S11 0	19	S104 and S47	US-PGPUB; USPAT	OR	ON	2007/12/03 12:07